

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Katsuhiko YANAGIHARA et al.

Appl'n No.: 10/809,688

Filed: March 26, 2004

For: DETECTION OF NUCLEIC ACID
SEQUENCE VARIATIONS USING
PHAGE MU TRANSPOSASE

Art Unit: To Be Assigned

Examiner: To Be Assigned

Attorney Docket No. 31978-201641

Customer No.
26694

PATENT TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO/SB/08A. Copies of the listed references 14-20 are provided herewith. It is respectfully requested that these references be expressly considered during the prosecution of this application, that they be made of record herein, and that they appear among the "References Cited" on any patent to issue therefrom.

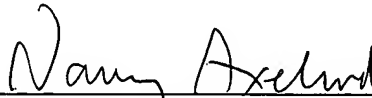
The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore no Statement Under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

Application Serial No. 10/809,688
Applicants: Katsuhiko YANAGIHARA et al.
Attorney Docket No. 31978-201641

It is believed that no fee is required for the submission of this Information Disclosure Statement; however, if a fee is determined to be due, please charge the amount to our Deposit Account No. 22-0261, and advise the undersigned accordingly.

Respectfully submitted,

Date: May 11, 2004

A handwritten signature in dark ink, appearing to read "Nancy Axelrod", is written over a horizontal line.

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Approved for use through 10/31/2002. OMB 0651-0031

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Complete if Known

Application Number	10/809,688
Filing Date	March 26, 2004
First Named Inventor	Katsuhiko YANAGIHARA
Group Art Unit	<i>To Be Assigned</i>
Examiner Name	<i>To Be Assigned</i>
Attorney Docket Number	31978-201641

(use as many sheets as necessary)

Sheet	1	of	2
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Attorney Docket Number	31978-201641
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[illegible][illegible]Date
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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Application Number	10/809,688
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First Named Inventor	Katsuhiko YANAGIHARA
Group Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket Number	31978-201641

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	14	Cotton, R.G.H., et al., "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations," <i>Proc. Natl. Acad. Sci. USA</i> 85: 4397-4401 (1988).	
	15	Mashal, R.D., et al., "Detection of mutations by cleavage of DNA heteroduplexes with bacteriophage resolvases," <i>Nature Genetics</i> 9: 177-183 (1995).	
	16	Myers, R.M., et al., "Detection of Single Base Substitutions by Ribonuclease Cleavage at Mismatches in RNA:DNA Duplexes," <i>SCIENCE</i> 230:1242-1246 (1985).	
	17	Orita, M., et al., "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms," <i>Proc. Natl. Acad. Sci. USA</i> 86: 2766-2770 (1989).	
	18	Savilahti, H., et al., "The phage Mu transpososome core: DNA requirements for assembly and function," <i>The EMBO Journal</i> 14: 4893-4903 (1995).	
	19	Yanagihara, K., et al., "Mismatch-targeted transposition of Mu: A new strategy to map genetic polymorphism," <i>Proc. Natl. Acad. Sci. USA</i> 99: 11317-11321 (2002).	
	20	Youil, R., et al., "Screening for mutations by enzyme mismatch cleavage with T4 endonuclease VII," <i>Proc. Natl. Acad. Sci. USA</i> 92: 87-91, (1995).	

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Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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